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1   Lessons learned using alloy to formally specify MLS-PCA trusted security
architecture
Brant Hashii
October 2004 FMSE '04: Proceedings of the 2004 ACM workshop on Formal methods in
                security engineering
Publisher: ACM
Full text available: 🔲 pdf(181.33 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 41,   Citation Count: 0

In order to solve future Multi Level Security (MLS) problems, we have developed a
solution based on the DARPA Polymorphous Computing Architecture (PCA). MLS-PCA
uses a novel distributed process-level encryption scheme to provide high assurance
separation ...

Keywords: alloy, formal specification, high assurance, multilevel security (MLS),
network security

2   Secure authentication system for public WLAN roaming
Yasuhiko Matsunaga, Ana Sanz Merino, Takashi Suzuki, Randy H. Katz
September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on
                Wireless mobile applications and services on WLAN hotspots
Publisher: ACM
Full text available: 🔲 pdf(248.60 KB)   Additional Information: full citation, abstract, references, cited by, index
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A serious impediment for seamless roaming between independent wireless LANs (WLANs)
is how best to confederate the various WLAN service providers, each having different
trust relationships with individuals and each supporting their own authentication ...

Keywords: authentication, hotspot, link layer security, policy control, roaming, single
sign-on, wireless LAN

3   Policy algebras for access control: the propositional case

Duminda Wijesekera, Sushil Jajodia

November 2001 CCS '01: Proceedings of the 8th ACM conference on Computer and
                Communications Security

Publisher: ACM

Full text available: pdf(213.84 KB)   Additional Information: full citation, abstract, references, cited by, index
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Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 38, Citation Count: 3

Although different organizations operate under different requirements for protection of
their data, increasingly there is a need for organizations to connect their computing
resources together to achieve common goals. The fundamental problem addressed ...

Keywords: access control, policy algebra, policy composition, security policy

4   First experiences using XACML for access control in distributed systems

Markus Lorch, Seth Proctor, Rebekah Lepro, Dennis Kafura, Sumit Shah

October 2003 XMLSEC '03: Proceedings of the 2003 ACM workshop on XML security

Publisher: ACM

Full text available: pdf(459.30 KB)   Additional Information: full citation, abstract, references, cited by, index
                                                          terms, review

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 234, Citation Count: 6

Authorization systems today are increasingly complex. They span domains of
administration, rely on many different authentication sources, and manage permissions
that can be as complex as the system itself. Worse still, while there are many
standards ...

Keywords: access control decision, access control enforcement, authorization,
distributed system security, policy language, policy management

5   Privacy in browser-based attribute exchange

Birgit Pfitzmann, Michael Waidner

November 2002 WPES '02: Proceedings of the 2002 ACM workshop on Privacy in the
                Electronic Society

Publisher: ACM

Full text available: pdf(168.95 KB)   Additional Information: full citation, abstract, references, cited by, index
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Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 104, Citation Count: 4

Browser-based attribute-exchange protocols enable users of normal web browsers to
conveniently send attributes, such as authentication or demographic data, to web sites.
Such protocols might become very common and almost mandatory in general
consumer ...

Keywords: BBAE, Liberty, Passport, SAML, Shibboleth, attribute-exchange, e-
Community Single Signon, identity management, privacy, roles, security, single signon,
traffic data, wallet, web browser

6   ObjectGlobe: Ubiquitous query processing on the Internet

R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz, S. Seltzsam, K. Stocker

August 2001 The VLDB Journal — The International Journal on Very Large Data
              Bases.   Volume 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: 📄 pdf(251.44 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 52, Citation Count: 15

We present the design of ObjectGlobe, a distributed and open query processor for Internet data sources. Today, data is published on the Internet via Web servers which have, if at all, very localized query processing capabilities. The goal of the ObjectGlobe ...

Keywords: Cycle-, function- and data provider, Distributed query processing, Open systems, Privacy, Quality of service, Query optimization, Security

7 Simulating realistic network worm traffic for worm warning system design and testing
Michael Liljenstam, David M. Nicol, Vincent H. Berk, Robert S. Gray
October 2003 WORM '03: Proceedings of the 2003 ACM workshop on Rapid malcode
Publisher: ACM

Full text available: 📄 pdf(308.41 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 126, Citation Count: 14

Reproducing the effects of large-scale worm attacks in a laboratory setup in a realistic and reproducible manner is an important issue for the development of worm detection and defense systems. In this paper, we describe a worm simulation model we are ...

Keywords: code red, network modeling and simulation, network security, slammer, worm detection systems, worms

8 Virtual enterprise access control requirements
M. Coetzee, Jan H. P. Eloff
September 2003 SAICSIT '03: Proceedings of the 2003 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology
Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available: 📄 pdf(126.63 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 169, Citation Count: 1

Current developments in IT point towards the formation of loosely coupled enterprises, often referred to as virtual enterprises. These enterprises require both secure and flexible collaboration between unrelated information systems. Web services technology ...

Keywords: B2B, SOAP, XML, access control, design, federation, management, roles, security, standardization, trust, virtual enterprises, web services

9 Proving a WS-Federation passive requestor profile
Thomas Groß, Birgit Pfitzmann
October 2004 SWS '04: Proceedings of the 2004 workshop on Secure web service
Publisher: ACM

Full text available: 📄 pdf(451.24 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 55, Citation Count: 2

Currently, influential industrial players are in the process of realizing identity federation,

in particular the authentication of browser users across administrative domains. WS-Federation is a joint protocol framework for Web Services clients and browser ...

Keywords: WS-federation passive requestor profile, WSFPI, browser-based, federated identity management, identity federation, security, security proof of protocols, single signon, web browser, web service security

10   Data management research at the MITRE Corporation
Arnon Rosenthal, Len Seligman, Catherine McCollum, Barbara Blaustein, Bhavani Thuraisingham, Edward Lafferty
September 1995 ACM SIGMOD Record,   Volume 24 Issue 3
Publisher: ACM
Full text available: pdf(23.73 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 43, Citation Count: 0

The MITRE Corporation provides technical assistance, system engineering, and acquisition support to large organizations, especially U.S. Government agencies. We help our customers to plan complex systems based on emerging technologies, and to implement ...

11   SHARP: an architecture for secure resource peering
Yun Fu, Jeffrey Chase, Brent Chun, Stephen Schwab, Amin Vahdat
October 2003 SOSP '03: Proceedings of the nineteenth ACM symposium on Operating systems principles
Publisher: ACM
Full text available: pdf(339.51 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 82, Citation Count: 21

This paper presents Sharp, a framework for secure distributed resource management in an Internet-scale computing infrastructure. The cornerstone of Sharp is a construct to represent cryptographically protected resource <it>claims</it>---promises ...

Keywords: peer-to-peer, resource allocation, resource peering

12   An authorization model for temporal and derived data: securing information portals
Vijayalakshmi Atluri, Avigdor Gal
February 2002 ACM Transactions on Information and System Security (TISSEC),
Volume 5 Issue 1
Publisher: ACM
Full text available: pdf(406.85 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 97, Citation Count: 8

The term *information portals* refers to Web sites that serve as main providers of focused information, gathered from distributed data sources. Gathering and disseminating information through information portals introduce new security challenges. ...

Keywords: Access control, authorization administration, derived data, temporal data

13   SHARP: an architecture for secure resource peering

Yun Fu, Jeffrey Chase, Brent Chun, Stephen Schwab, Amin Vahdat
December 2003 ACM SIGOPS Operating Systems Review, Volume 37 Issue 5
Publisher: ACM

Full text available: ☒ pdf(339.51 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 82, Citation Count: 21

This paper presents Sharp, a framework for secure distributed resource management in an Internet-scale computing infrastructure. The cornerstone of Sharp is a construct to represent cryptographically protected resource <it>claims</it> ---promises ...

Keywords: peer-to-peer, resource allocation, resource peering

14 Towards a flexible, process-oriented IT architecture for an integrated healthcare network
Mario Beyer, Klaus A. Kuhn, Christian Meiler, Stefan Jablonski, Richard Lenz
March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied computing
Publisher: ACM

Full text available: ☒ pdf(253.54 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 269, Citation Count: 1

Healthcare information systems play an important role in improving healthcare quality. As providing healthcare increasingly changes from isolated treatment episodes towards a continuous medical process involving multiple healthcare professionals and ...

Keywords: evolutionary information systems, healthcare networks, integrated care, process orientation, systems integration

15 Design and modelling of internode: a mobile provider provisioned VPN
Francisco Barceló, Josep Paradells, Fofy Setaki, Monique Gibeaux
February 2003 Mobile Networks and Applications, Volume 8 Issue 1
Publisher: Kluwer Academic Publishers

Full text available: ☒ pdf(237.48 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 103, Citation Count: 0

This paper presents the design and architecture of a mobile Provider Provisioned VPN (PPVPN) together with a performance evaluation oriented model that allows first estimates of the VPN set-up delay to be computed. At the same time, some consequences ...

Keywords: IPSec, VPN, mobile IP, mobile VPN, provider provisioned VPN

16 Certificate-based authorization policy in a PKI environment
Mary R. Thompson, Abdelilah Essiari, Srilekha Mudumbai
November 2003 ACM Transactions on Information and System Security (TISSEC), Volume 6 Issue 4
Publisher: ACM

Full text available: ☒ pdf(233.63 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 234, Citation Count: 7

The major emphasis of public key infrastructure has been to provide a cryptographically

secure means of authenticating identities. However, procedures for authorizing the holders of these identities to perform specific actions still need additional research ...

Keywords: Public key infrastructure, XML, digital certificates

17 The Legion vision of a worldwide virtual computer
Andrew S. Grimshaw, Wm. A. Wulf, CORPORATE The Legion Team
January 1997 Communications of the ACM, Volume 40 Issue 1
Publisher: ACM

Full text available: 📄 pdf(1.00 MB)   Additional Information: full citation, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 104,   Citation Count: 86

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